

AUG 05 2002 INFORMATION DISCLOSURE STATEMENT BY APPLICANT  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

COMPLETE IF KNOWN			
Application Number	US751,382		
Confirmation Number	7499		
Filing Date	December 29, 2000		
First Named Inventor	Jon M. Bishay		
Group Art Unit	3762		
Examiner Name	Unknown		
Attorney Docket No.	337348004US1		

Sheet

1

of

12

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document
		NUMBER	Kind Code (if known)		
		*09/451,547		Bishay et al.	12/01/99
		*09/451,795		Leonard et al.	12/01/99
		*09/451,796		Leonard et al.	12/01/99
		*09/451,799		Leonard et al.	12/01/99
		*09/451,800		Bishay et al.	12/01/99
		*09/452,508		Leonard et al.	12/01/99
		*09/452,510		Bishay et al.	12/01/99
		*09/452,663		Bishay et al.	12/01/99
		09/667,183		Leonard	09/21/00
		09/686,993		Gliner	10/10/00
		09/751,503		Gliner	12/12/00
		29/130,210		Leonard et al.	09/28/00
		29/134,817		Bishay et al.	12/29/00
		*3,030,959		Grunert	04/24/62
		*3,090,151		Stewart et al.	05/21/63
		*3,208,452		Stern	09/28/65
		*3,938,526		Anderson et al.	02/17/76
		*3,943,935		Cameron	03/16/76
		*4,139,011		Benoit et al.	02/13/79
		*4,207,903		O'Neill	06/17/80
		*4,256,116		Meretsky et al.	03/17/81
		*4,281,659		Farrar et al.	08/04/81

EXAMINER

DATE CONSIDERED

12/28/02



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

				COMPLETE IF KNOWN		
				Application Number	09/751,382	
				Confirmation Number	7499	
				Filing Date	December 29, 2000	
				First Named Inventor	Jon M. Bishay	
				Group Art Unit	3762	
				Examiner Name	Unknown	
Sheet		2	of	12	Attorney Docket No.	337348004US1

	*4,431,000	Butler et al.	02/14/84	
	*4,437,467	Helfer et al.	03/20/84	
	*4,512,351	Pohndorf	04/23/85	
	*4,541,432	Molina-Negro et al.	09/17/85	
	*4,556,064	Pomeranz et al.	12/03/85	
	*4,583,549	Manoli	04/22/86	
	*4,685,466	Rau	08/11/87	
	*4,686,996	Ulbrich	08/18/87	
	*4,712,558	Kidd et al.	12/15/87	
	*4,765,310	Deagle et al.	08/23/88	
	*4,895,154	Bartelt et al.	01/23/90	
	*4,934,371	Malis et al.	06/19/90	
	*4,949,734	Bernstein	08/21/90	
	*4,953,564	Berthelsen	09/04/90	
	*5,012,811	Malis et al.	05/07/91	
	*5,036,850	Owens	08/06/91	
	*5,054,486	Yamada	10/08/91	
	*5,094,242	Gleason et al.	03/10/92	
	*5,117,826	Bartelt et al.	06/02/92	RECEIVE
	*5,211,175	Gleason et al.	05/18/93	AUG - 7 200
	*5,246,014	Williams et al.	09/21/93	TECHNOLOGY CENTER
	*5,255,691	Otten	10/26/93	
	*5,269,304	Matthews	12/14/93	
	*5,281,218	Imran	01/25/94	
	*5,332,401	Davey et al.	07/26/94	
	*5,417,719	Hull et al.	05/23/95	

~~RECEIVED~~

AUG - 7 2002

TECHNOLOGY CENTER R3700

EXAMINER	DATE CONSIDERED
----------	-----------------



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT

Form PTO-1449 (Modified)  
(Use several sheets if necessary)

COMPLETE IF KNOWN

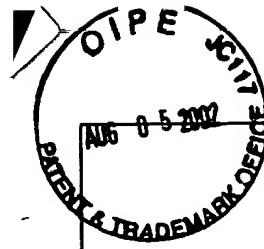
Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown

Sheet 3 of 12 Attorney Docket No. 337348004US1

*5,423,314	Schmid	06/13/95	
*5,439,440	Hofmann	08/08/95	
*5,449,378	Schouenborg	09/12/95	
*5,593,429	Ruff	01/14/97	
*5,649,936	Real	07/22/97	
*5,682,233	Brinda	10/28/97	
*5,810,762	Hofmann	09/22/98	
*5,861,015	Benja-Athon	01/19/99	
*5,928,144	Real	07/27/99	
*5,941,845	Tu et al.	08/24/99	
*5,948,008	Daikuzono	09/07/99	
*5,968,063	Chu et al.	10/19/99	
*6,009,347	Hofmann	12/28/99	
*6,032,064	Devlin et al.	02/29/00	
*6,035,236	Jarding et al.	03/07/00	
*6,050,992	Nichols	04/18/00	
*6,068,650	Hofmann et al.	05/30/00	
*6,122,547	Benja-Athon	09/19/00	
*6,208,893	Hofmann	03/27/01	
*6,219,569	Kelly et al.	04/17/01	
*6,304,785	McCreery et al.	10/16/01	AUG - 7 2002
*6,341,237	Hurtado	01/22/02	TECHNOLOGY CENTER 13700
*Des. 297,047	Hon et al.	08/02/88	
*Des. 318,330	Doty et al.	07/16/91	
*Des 357,069	Plahn et al.	04/04/95	
*D443,063	Pisani et al.	05/29/01	

FOREIGN PATENT DOCUMENTS

EXAMINER	DATE CONSIDERED



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Sheet	4
of	12
Attorney Docket No.	337348004US1

Examiner Initial	Cite No.	Foreign Patent or Application			Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear	T
		Office	NUMBER	Kind Code (if known)				
		*FR	2 500 309		Faiveley	08/27/82		
		*FR	2 500 745		Dervieux	09/03/82		
		*GB	2 163 355 A		Simonin	02/26/86		
		*GB	2 255 719 A		Matthews	11/18/92		

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		*ASSOCIATION FOR ADVANCEMENT OF MEDICAL INSTRUMENTATION, "Implantable Peripheral Nerve Stimulators," American National Standard, ANSI/AAMI NS15 – 1995 pp. 1-8	
		*AHMED H. et al. "Percutaneous Electrical Nerve Stimulation (PENS): A Complementary Therapy for the Management of Pain Secondary to Bony Metastasis", The Clinical Journal of Pain (December 1998) Vol. 14, No. 4, pp. 320-3, Lippincott Williams & Wilkins, Philadelphia.	
		*AHMED H. et al. "Percutaneous Electrical Nerve Stimulation: An Alternative to Antiviral Drugs for Acute Herpes Zoster," Anesthesia & Analgesia (October 1998) 87: 911-4.	
		*ALMAY, B.G.L. et al., "Long-Term High Frequency Transcutaneous Electrical Nerve Stimulation (hi-TNS) in Chronic Pain. Clinical Response and Effects on CSF-Endorphins, Monoamine Metabolites, Substance P-Like Immunoreactivity (SPLI) and Pain Measures," Journal of Psychosomatic Research, (1985) Vol. 29 No. 3, pp. 247-257, Pergamon Press Ltd. Great Britain	RECEIVED

AUG - 7 2002

TECHNOLOGY CENTER R3700

EXAMINER	DATE CONSIDERED

AUG 05 2002

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348004US1

Sheet

5

of

12

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.

T

\*BAKER, L. L., et al. "Effects of Waveform on Comfort during Neuromuscular Electrical Stimulation," Clinical Orthopaedics and Related Research, August 1998, No. 223, pp. 75-85

\*BALLEGAARD, S. et al. "Acupuncture and Transcutaneous Electric Nerve Stimulation in the Treatment of Pain Associated with Chronic Pancreatitis. A Randomized Study", Scand. J. Gastroenterol. (June 1985) 20: 1249-54.

\*BALOGUN, J. et al. "The effects of acupuncture, electroneedling and transcutaneous electrical stimulation therapies on peripheral haemodynamic functioning", Disability and Rehabilitation (February 1998) Vol. 20, No. 2, pp. 41-8, Taylor & Francis Ltd.

\*BALOGUN, J., "Effects of Ramp Time on Sensory, Motor and Tolerance Thresholds during Exogenous Electrical Stimulation," The Journal of Sports Medicine and Physical Fitness, (December 1991) Vol. 31, No. 4, pp. 521-526

\*BD MICROTAINER Brand Safety Flow Lancet – Product Number 366356. BD catalog 1997-2000,  
[http://catalog.bd.com/sctipts/OBDsheet.exe?FNC=productlist\\_Alistproducts\\_html\\_3](http://catalog.bd.com/sctipts/OBDsheet.exe?FNC=productlist_Alistproducts_html_3)  
 66356 (August 2001), 3 pages.

NO  
DATE

\*BD Safety Products. BD Vacutainer Safety-Lok Blood Collection Set; BD Vacutainer SafetyGlide Blood Collection Assembly and BD Vacutainer Eclipse Blood Collection Needle, 1 page.

\*BD Vacutainer SafetyGlide Blood Collection Assembly. Quick Reference Card (October 1999), 1 page.

\*BRULL, S. J., et al., "Pulse Width, Stimulus Intensity, Electrode Placement, and Polarity during Assessment of Neuromuscular Block," Anesthesiology, (October 1995) V. 83, No. 4, pp. 702-709, Lippincott-Raven Publishers

\*BUSHNELL M. C. et al. "Electrical stimulation of peripheral and central pathways for the relief of musculoskeletal pain", Can. J. Physiol. Pharmacol. (May 1991) 69: 697-703.

**RECEIVED**

EXAMINER

DATE CONSIDERED

AUG - 7 2002

TECHNOLOGY CENTER R3700  
7/30/02



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

COMPLETE IF KNOWN

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348004US1

Sheet

6

of

12

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		*CARROLL, D. et al., "Randomization is Important in Studies with Pain Outcomes; Systematic Review of Transcutaneous Electrical Nerve Stimulation in Acute Postoperative Pain," British Journal of Anesthesiology, (1996) Vol. 77, pp. 798-803	
		*CASSUTO, J. et al., "The Use of Modulated Energy Carried on a High Frequency Wave for the Relief of Intractable Pain," International Journal of Clinical Pharm. Research (1993) XIII (4) pp. 239-241	
		*CHENG R., POMERANZ, B. "Electroacupuncture analgesia could be mediated by at least two pain-relieving mechanisms: endorphin and non-endorphin systems", Life Sciences (December 1979) 25: 1957-62, Pergamon Press Ltd.	
		*CHENG R. et al. "Electroacupuncture elevates blood cortisol levels in naïve horses; sham treatment has no effect", Intern. J. Neuroscience (February 1980) Vol. 10, pp. 95-7, Gordon and Breach Science Publishers, Inc., Great Britain.	
		*CHENG R. S. S., POMERANZ, B. "Electrotherapy of Chronic Musculoskeletal Pain: Comparison of Electroacupuncture and Acupuncture-Like Transcutaneous Electrical Nerve Stimulation", The Clinical Journal of Pain (1987) Vol. 2, No. 3, pp. 143-9, Raven Press, New York.	
		*CRAMP, A.F.L. et al., "The Effect of High- and Low-Frequency Transcutaneous Electrical Nerve Stimulation Upon Cutaneous Blood Flow and Skin Temperature in Healthy Subjects," Clinical Physiology 20, (2000) 2, pp. 150-157, Blackwell Science Ltd.	
		*Empi Eclipse+ Dual Channel Transcutaneous Electrical Nerve Stimulator User's Manual, Empi, Inc. (September 1998), US Patent #D282,968, 31 pages.	
		*Empi EPIX VT Dual Channel Transcutaneous Electrical Nerve Stimulator Instruction Manual, Empi, Inc. (1997) 22 pages.	
		*Empi EPIX XL TENS Instruction Manual, Empi, Inc. (September 1998) U.S. Patent No. D319,881, 22 pages.	

RECEIVED

EXAMINER	DATE CONSIDERED	AUG - 7 2002
		TECHNOLOGY CENTER 142700



INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

COMPLETE IF KNOWN

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown

Attorney Docket No. 337348004US1

Sheet

7

of

12

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS		
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.
		*Empi, Our Products: Electrotherapy for Rehabilitation, <a href="http://www.empi.com/b/b2.htm">http://www.empi.com/b/b2.htm</a> , (March 2001), 8 pages.
		*FOSTER, N.E., et al., "Manipulation of Transcutaneous Electrical Nerve Stimulation Variables Has No Effect on Two Models of Experimental Pain in Humans," The Clinical Journal of Pain, (1996) 12; pp. 301-310, Lippincott-Raven Publishers, Philadelphia
		*GADSBY, G. et al. "Nerve stimulation for low back pain - a review," Nursing Standard (July 1997) Vol. 11, No. 43, pp. 32-33.
		*GALLETTI, S.P., et al., "Highlights in the Subject of Low Frequency-High Intensity TENS," Minerva Stomatologica (Italy) (Sept. 1995), 44, pp. 421-429
		*GHONAME, E. et al. "Does the Stimulus Frequency Affect the Analgesic Response to Electrical Stimulation?" Anesthesia & Analgesia (November 1999) 88: S210, Lippincott Williams & Wilkins.
		*GHONAME, E. et al. "Percutaneous Electrical Nerve Stimulation for Low Back Pain", JAMA (March 1999) Vol. 281, No. 9, pp. 818-23.
		*GHONAME, E. et al. "Percutaneous electrical nerve stimulation: an alternative to TENS in the management of sciatica", Pain (November 1999) 83: 193-9, Elsevier Science B.V.
		*GHONAME, E. et al. "The Effect of Stimulus Frequency on the Analgesic Response to Percutaneous Electrical Nerve Stimulation in Patients with Chronic Low Back Pain", Anesthesia & Analgesia (October 1999) 88: 841-6.
		*GHONAME, E. et al. "The Effect of the Duration of Electrical Stimulation on the Analgesic Response", Anesthesia & Analgesia (January 1999) 88: S211.
		*GOPALKRISHNAN, P., et al., "Effect of Varying Frequency, Intensity, and Pulse Duration of Transcutaneous Electrical Nerve Stimulation on Primary Hyperalgesia in Inflamed Rats," Arch. Phys. Med. Rehabil., (July 2000) Vol. 81, pp. 984-990

RECEIVED  
AUG - 7 2002

EXAMINER

DATE CONSIDERED

TECHNOLOGY CENTER R3700



AUG 05 2002

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

 Form PTO-1449 (Modified) TECHNOLOGY  
 (Use several sheets if necessary)

Sheet

8

of

12

**RECEIVED****COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348004US1

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		*GRACANIN, F., et al., "Optimal Stimulus Parameters for Minimum Pain in the Chronic Stimulation of Innervated Muscle," Arch. Phys. Med. Rehabil. (June 1975) Vol. 56, pp. 243-249	
		*HAMZA, M. et al. "Effect of the Duration of Electrical Stimulation on the Analgesic Response in Patients with Low Back Pain", Anesthesiology (December 1999), Vol. 91, No. 6, pp. 1622-7, Lippincott Williams & Wilkins, Inc.	
		*HAMZA, M.A., et al., "Effect of the Frequency of Transcutaneous Electrical Nerve Stimulation on the Postoperative Opioid Analgesic Requirement and Recovery Profile," Anesthesiology, (Nov. 1999) V. 91, No. 5, pp. 1232-1238	
		*HAN, J.S. et al., "Effect of Low- and High-Frequency TENS on Met-enkephalin-Arg-Phe and dynorphin A immunoreactivity in human lumbar CSF," Pain, (1991) Vol. 47, pp. 295-298, Elsevier Science Publishers B.V.	
NO DATE		*Healthtronics HANS LY257 User Manual, Healthtronics Pte Ltd., Singapore, 15 pages.	
		*Innovative Healthcare: Electrotherapy Pain & Rehabilitation Product Solutions from Rehabilicare. [Includes product description of SporTX and Ortho DX], <a href="http://www.mvpdesign.com/sites/rehabilicare/all_products.html">http://www.mvpdesign.com/sites/rehabilicare/all_products.html</a> , (August 2001), 3 pages.	
		*Intelect Legend Stim Clinical Reference Manual, Vol. 4 Intelect Legend Series, Chattanooga Group, Inc., (July 2000) 25 pages.	
		*JETTE, D. U. et al., "Effect of Different Forms of Transcutaneous Electrical Nerve Stimulation on Experimental Pain," Physical Therapy, (February 1986) Volume 66/Number 2, pp. 187-193	
		*JOHNSON, M. I. et al., "Analgesic Effects of Different Pulse Patterns of Transcutaneous Electrical Nerve Stimulation on Cold-Induced Pain in Normal Subjects," Journal of Psychosomatic Research (1991) Vol. 35, No.2/3, pp. 313-321, Great Britain	

EXAMINER

DATE CONSIDERED



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348004US1

Sheet 9 of 12

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume/issue number(s), publisher, city and/or country where published.

T

\*JOHNSON, M. I. et al., "Analgesic Effects of Different Frequencies of Transcutaneous Electrical Nerve Stimulation on Cold-Induced Pain in Normal Subjects," *Pain*, (1989) 39, pp. 231-236, Elsevier Science Publishers B.V.

\*JOHNSON, M.I. et al., "An In-Depth Study of Long-Term Users of Transcutaneous Electrical Nerve Stimulation (TENS). Implications for Clinical Use of TENS," *Pain* (1991) 4, pp. 221-229, Elsevier Science Publishers B.V.

\*KATIMS, J.J. et al., "Transcutaneous Nerve Stimulation Frequency and Waveform Specificity in Humans," *Appl. Neurophysiol.* (1986) 49: pp. 86-91

\*LANDAU, B. et al. "Neuromodulation Techniques for Medically Refractory Chronic Pain", *Annu. Rev. Med.* (February 1993) 44: 279-87, Annual Reviews Inc.

\*LEEM, J.W. et al., "Electrophysiological Evidence for the Antinociceptive Effect of Transcutaneous Electrical Stimulation on Mechanically Evoked Responsiveness of Dorsal Horns Neurons in Neuropathic Rats," *Neuroscience Letters* (1995) 192, pp. 197-200, Elsevier Science Ireland Ltd.

\*LEHMANN T. et al. "Efficacy of Electroacupuncture and TENS in the Rehabilitation of Chronic Low Back Pain Patients", *Pain* (September 1986) 26: 277-90, Elsevier Science Publishers B.V.

\*LISS, S. et al., "Physiological and Therapeutic Effects of High Frequency Electrical Pulses," *Integrative Physiological and Behavioral Science*, (April-June 1996) Vol. 31, No. 2, pp.88-94

\*MARCHAND, S. et al., "Modulation of Heat Pain Perception by High Frequency Transcutaneous Electrical Nerve Stimulation (TENS)," *The Clinical Journal of Pain* (1991) 7: pp. 122-129, Raven Press Ltd, New York

NO  
DATE

\*Model AWQ-104B Multi-Purpose Electronic Acupunctoscope Instruction Manual,  
10 pages.

**RECEIVED**

AUG - 7 2002

TECHNOLOGY CENTER

EXAMINER

DATE CONSIDERED

AUG 8 5 2002

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

Sheet

10

of

12

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown

Attorney Docket No. 337348004US1

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		*MORENO-ARANDA, J. et al., "Electrical Parameters for Over-the-Skin Muscle Stimulation," J. Biomechanics, (1981) Vol. 14, No. 9, pp. 579-585, Pergamon Press Ltd.	
		*MORENO-ARANDA, J. et al., "Investigation of Over-the-Skin Electrical Stimulation Parameters for Different Normal Muscles and Subjects," J. Biomechanics, (1981) Vol. 14, No. 9, pp. 587-593, Pergamon Press Ltd., Great Britain	
		*O'BRIEN, W. J. et al., "Effect of Transcutaneous Electrical Nerve Stimulation on Human Blood B-Endorphin Levels," Physical Therapy, (September 1984) Volume 64/Number 9, pp. 1367-1374	
		*OMURA, Y., "Basic Electrical Parameters for Safe and Effective Electro-Therapeutics [Electro-Acupuncture, TES, TENMS, (or TEMS), TENS and Electro-Magnetic Field Stimulation with or without Drug Field] for Pain, Neuromuscular Skeletal Problems, and Circulatory Disturbances," Acupuncture & Electro-Therapeutics Res., Int. J. (1987) Vol. 12, pp. 201-225, Pergamon Journals Ltd., USA	
		*OMURA, Y., Electrical Parameters for Safe and Effective Electro-Acupuncture and Transcutaneous Electrical Stimulation: Threshold Potentials for Tingling, Muscle Contraction and Pain; and How to Prevent Adverse Effects of Electro-Therapy," Acupuncture and Electro-Therapeutics Res., Int. J., (1985) Vol. 10, Pergamon Press Ltd. USA	
		*ORDOG, G.J., "Transcutaneous Electrical Nerve Stimulation versus Oral Analgesic: A Randomized Double-Blind Controlled Study in Acute Traumatic Pain," American Journal of Emergency Medicine, (January 1987) Volume 5, Number 1, pp. 6-10	
		*Pointer F-3 Instruction Manual, ITO Co., Ltd., Tokyo, Japan (1999), 12 pages.	
		*Radionics products brochure. "A Significant Breakthrough Using Pulsed Radiofrequency for Pain Management", includes RF Lesion Generator System, Model RFG-3C Plus, (1997), Radionics, Burlington, MA, 10 pages.	

**RECEIVED**

EXAMINER

DATE CONSIDERED

AUG - 7 2002

TECHNOLOGY CENTER



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown
Attorney Docket No.	337348004US1

Sheet

11

of

12

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

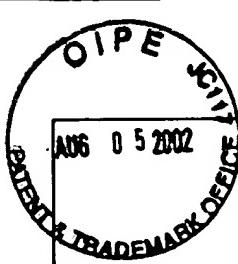
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
NO DATE		*Rehabilicare Ortho Dx product brochure. "Reduce Rehabilitation Time and Enhance Patient Comfort with Ortho Dx", Rehabilicare, New Brighton, MN, 2 pages.	
.		*Rehabilicare SMP-plus product brochure. "SMP-plus. The Pain Relief Solution for Hard to Treat Patients", Rehabilicare, New Brighton, MN (1999) 2 pages.	
NO DATE		*Rehabilicare SporTX Product Data Sheet, 1 page.	
NO DATE		*Rehabilicare SporTX Quick Set-Up Instructions, "SPORTX. Get back in the GAME!", Rehabilicare, New Brighton, MN, 2 pages.	
		*ROMITA, V.V. et al., "Parametric Studies on Electroacupuncture-Like Stimulation in a Rat Model; Effects of Intensity, Frequency, and Duration of Stimulation on Evoked Antinociception," Brain Research Bulletin, (1997) Vol. 42, No. 4, pp. 289-296, Elsevier Science Inc., USA	
.		*ROONEY, J.G. et al., "Effect of Variation in the Burst and Carrier Frequency Modes of Neuromuscular Electrical Stimulation on Pain Perception of Healthy Subjects," Physical Therapy, (November 1992) Volume 72, Number 11, pp. 800-809	
.		*SLUKA, K.A. et al., "Treatment with either High or Low Frequency TENS Reduces the Secondary Hyperalgesia Observed After Injection of Kaolin and Carrageenan into the Knee Joint," Pain, (1998) 77, pp. 97-102, Elsevier Science B.V.	
		*SOMERS, D.L., et al., "High-Frequency Transcutaneous Electrical Nerve Stimulation Alters Thermal but not Mechanical Allodynia Following Chronic Constriction Injury of the Rat Sciatic Nerve," Arch. Phys. Med. Rehabil., (1998) Vol. 79, pp. 1370-1376	
		*STAROBINETS, M. et al., "Analgesic Effect of High-Frequency and Acupuncture-Like Transcutaneous Electric Stimulation of Nerve Fibers in Spinal Osteochondrosis," (Russian) Zhurnal Nevropatologii i Psichiatrii Imeni S.S. Korsakova (1985) 85, (3) pp. 350-354	
		*ULETT, G. et al., "Electroacupuncture: Mechanisms and Clinical Application", Biological Psychiatry (July 1998) 44: 129-38.	RECEIVED

EXAMINER

DATE CONSIDERED

AUG - 7 2002

TECHNOLOGY CENTER R3700  
7/30/02



AUG 05 2002

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**  
Form PTO-1449 (Modified)  
(Use several sheets if necessary)

**COMPLETE IF KNOWN**

Application Number	09/751,382
Confirmation Number	7499
Filing Date	December 29, 2000
First Named Inventor	Jon M. Bishay
Group Art Unit	3762
Examiner Name	Unknown

Sheet 12 of 12 Attorney Docket No. 337348004US1

**OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

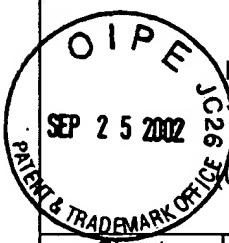
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T
		*VAN DOREN, C.L., "Contours of Equal Perceived Amplitude and Equal Perceived Frequency for Electrocuteaneous Stimuli," Perception and Psychophysics (1997) 59, (4), pp. 613-622	
		*WHITE, P. et al. "Percutaneous Neuromodulation Therapy: Does the Location of Electrical Stimulation Effect the Acute Analgesic Response?", Anesthesia & Analgesia (October 2000) 91: 1-6.	
		*WHITE, P. et al. "The Effect of Montage on the Analgesic Response to Percutaneous Neuromodulation Therapy" Anesthesia & Analgesia (February 2001) 92: 483-7.	
		*PCT International Search Report for International Application No. PCT/US01/31441; mailed 07 May 2002; Applicant: Vertis Neuroscience, Inc., 8 pages.	

RECEIVED  
AUG - 7 2002  
TECHNOLOGY CENTER 4000

EXAMINER

DATE CONSIDERED

12/29/02



**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

SEP 25 2002

**Form PTO-1449 (Modified)**  
**(Use several sheets if necessary)**

Sheet 1 of 2 Attorney Docket No. 337348004US01

## **U.S. PATENT DOCUMENTS**

RECEIVED

SEP 30 2012

## **FOREIGN PATENT DOCUMENTS**

## **OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.	T

**EXAMINER**

**DATE CONSIDERED**

12/28/2

**\*EXAMINER:** Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).

				COMPLETE IF KNOWN	
				Application Number	09/751,382
				Confirmation Number	7499
				Filing Date	December 29, 2000
				First Named Inventor	Jon M. Bishay
				Group Art Unit	3762
				Examiner Name	George Robert Evanisko
Sheet	1	of	1	Attorney Docket No.	337348004US1

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No.	U.S. Patent or Application		Name of Patentee or Inventor of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		NUMBER	Kind Code (if known)			
^		4,153,059		Fravel et al.	05/08/79	
		4,284,856		Hochmair et al.	08/18/81	
J		4,541,432		Molina-Negro et al.	09/17/85	
		4,979,508		Beck	12/25/90	
		5,851,223		Liss et al.	12/22/98	
		6,269,270		Boveja	07/31/01	

FOREIGN PATENT DOCUMENTS						
Examiner Initial	Cite No.	Foreign Patent or Application		Name of Patentee or Applicant of Cited Document	Date of Publication or Filing Date of Cited Document	Pages, Columns, Lines, Where Relevant Figures Appear
		Office	NUMBER			

OTHER PRIOR ART-NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume issue number(s), publisher, city and/or country where published.			

EXAMINER <i>C.</i>	DATE CONSIDERED <i>12/28/02</i>
*EXAMINER: Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to application(s).	